Chicago Inventor Constructs Strong

of Common Woven Wire.

and Ornamentel Support Made

Using woven wire in cylindrical

cago inventor has constructed a strong

Posts of Wire Netting.

or twisted by accident, may be pulled

back into shape, says Popular Mechan-

offer much less resistance to the wind

and are far less liable to destruction

Sanitary Substitute for Roller Towels

Operates Quickly.

In botel, factory and public lava-

tories where roller towels should not

be used because of the danger of

expense of furnishing individual paper

or cloth towels is considerable, the

electric hand drier may be used eco-

nomically and satisfactorily. A sani-

tary hand drier described in the Elec-

trical World consists of a sheet-metal

case with an opening in its top in

which the hands can be inserted and

dried by a current of hot air. A foot

pedal operates a quick-acting switch

which starts a blower forcing air

through the electric heater. The hand

drier is, of course, absolutely sanitary

as it is unnecessary to touch any part

of the apparatus when using it. The

hands can be thoroughly dried, it is declared, in from thirty to forty sec-

onds, which is less time than is re-

quired to perform the same operation

UTILIZING OLD ARC LAMPS

Serviceable Outdoor Light is Obtained at Minimum Expense-No Main-

tenance is Necessary.

A practical way of utilizing old are

Remove all the magnetic and carbon

operating mechanism and place a

wooden strip in the back of the casing,

21/2 by 31/2, and to this fasten a car-

tridge fuse cut-out block. In the bot-

tom of the lamp a sign socket of a cer-

tain type is fastened. The wires from

Novel Use of Old Arc Lamp.

the socket are connected to the fuse

cut-out and others lead from this to

the terminals at the top of the lamp

A 250-watt tungsten lamp is placed

in the socket or receptacle. Over this

serviceable outdoor or even indoor

lamp is obtained at a minimum ex-

pense, and practically no maintenance

Electricity From Coal.

A patent has been granted a Dresden inventor for an application of the

principle of the thermopile for the di-

Increase Nervous Disorders

That an increase of nervous disor-

ders is due to an increase in the use

of wireless telegraphy, over-charging

the atmosphere with electricity, is a

theory advanced by a European physi-

New Pilers.

ting insulation lengthwise, still an-

Cost of Hydroelectric Plants.

nount may be doubled by 1917.

boller, engine or dynamo.

for bending loops.

production of electricity from

without the intervention of a

frame, says Popular Electricity.

is necessary

lamps is in the following manner:

with a linen or paper towel.

In Factories and Public Places-

Telephone posts made after this

FINDS NATURAL .300 HITTER

Jack Fournier, Formerly of Moone Jaw Proves to Be Hardest Slugger on White Sox Team.

One of the lifelong dreams of Charles A. Comiskey seems about to be real-ised. The Old Roman has been in quest many years of a consistent, natural 300 hitter. Jack Fournier, formerly of Moose Jaw, Sask., is trying to make his bose happy in this regard. Fournier became a 200 major league

swatter by the process of elimination and substitution. The Federal league really helped Comiskey realise a fond hope. It also boosted Fournier from the unenviable post of a trust beach warmer to that of leading hitter of a famous big league team some dis-

"If Fournier ever gets, a chance to thine in there they can't keep him

That was a prediction made about Fournier two months ago, writes George S. Robbins in Chicago Daily News. The big player admitted he thought so himself.

Hal Chase was on first at that time and simply overawed the French-man. Every time Fournier went to bat as a pinch bitter he struck out or lifted a long fly to the fellows working in the outer gardens.

Manager Callahan had a hunch and a lucky one. Fournier was sent to first to practice. "Is Fournier going to play first base?" was a query heard often when fans saw this player cavorting around the initial station before the games. Then they became accustomed to the sight. They took it as a matter of course.

Then followed the jump of Hal Chase to the Federal league.

Had not the Federal league meddled with Comiskey's team the chances are Fournier would have gone on warming the timber in the rathskeller around the American league circuit. With Chase on the club it was impossible for the former Moose Jaw player to break in, unless the regular



First Baseman Fournier

White Sox club today, if one excepts the pitching and catching corps of Comiskey's defense. The big French-man loves his base hits next to his happy home, and that's going some.

There is, a reason for Fournier's constant quest of the base hit. He was for a long time the object of jests and gibes of the fans and scribes legan county, Michigan. around the American league.
Like Leibold of the Cleveland Naps

Fournier walked up and strolled righ down again after fanning in the pinches and as a relief swatter. The fans hate a fanner in the pinchesthat is, the home fans do-and that's what made Fournier a member of the "in bad" club at home.

Today the big Frenchman is enjoying his revenge. He has made the fans like him, and like ell good, dyed in the wool enthusiasts, these Chicago fans have experienced a change of heart toward Fournier. They're for

Pollowing are some facts about

He always batted well in the mino leagues, and in the spring with the big circuit clubs. He falled to hit as a major league utility player.

Fournier has batted better than 365 since filling the discarded shoes of Hal Chase. His average for the season is 319

Johnsons Overlooked.

The next time the St. Louis Cardinals procure a player named Johnson uld be well for them to hold on to him instead of sending him back to the minor leagues without a try-out. This is the suggestion made by experts after studying the records of A. Rankin Johnson of the Red Sox, the highest mark become Johnson of the Giants and in his long career. Franklin Johnson of the Jacksonville club of the South Atlantic league, all of whom, at one time or another, were members of the St. Louis National league club and each of whom was turned back to the minors.

Barry Weak at Bat, Jack Barry never fielded better in his life, but his hitting this season has been the poorest of his career. This slump is difficult to understand, as the Athletics never faced so many lefthand pitchers as they have encountered this season.

Cravath a Curiosity. Cravath is the most peculiar star in baseball. He hasn't written any smoking tobacco or cigarette testimonials; lther has he received a Federal

league offer. Undisputed Assertion. Mathewson, the dear old boy of the New York Glants, observes that the Athletics are "up near the top," and, as they are leading the league, there is no particular way of disputing the

Eason Not Always to Stame, Fred Clarke blames Umpire Eason for the loss of one game. But Pittsurgh fans are more anxious to fix the ibility for the loss of some

"FRITZ" MAISEL IS SENSATIONAL PLAYER



"Fritz" Malsel, the sensational young third baseman of the New York American league club, is a native of Baltimore, Md., and is only twentyfour years old. He was picked up from the lots by the Baltimore International club in 1910 and after a brief trial was loaned to the Elgin, Ill., club, where he developed so rapidly that the Baltimore club recalled him for 1911. In that season he was played regularly by Manager Dunn and did fair work; but in 1912 he did sensational work in all departments. He kept up his fast pace in 1913, being one of the best batsmen and base-runners in the International league. In August of that year the New York American club purchased him and tried him out in September. He made good from the start and is now the New York club's regular third base;

he National league.

Boone and Peckinpaugh work well gether around second

The Cincinnati club is trying to get Fournier is the happiest man on the Catcher Severeid from the Louisville

> Frank Baker of the Athletics is now the leading hitter of the Ameri-

> Frank Kitson, former big league star, is a candidate for sheriff in Al-

Del Gainer, former first baseman of the Tigers, and later of the Red Sox. is booked for the minors.

Robert Lee Hedges, owner of the St. Louis Browns, is tickled over the fine showing of the Browns this season.

Pitcher Maurice Kent has been returned by Memphis to the Newark club of the International league.

Schultz, the Buffalo pitcher, has a peculiar delivery and much complaint was registered by the Tinx because

Birdle Cree is doing the heavy hitand is playing a star game in the out-

The late unpleasantness between the ball players' fraternity and organized ball died down in an amazingly short

The New York Americans were hot after Dick Hobittzell of the Cincinnati leds, but the Boston Red Sox captured the prize.

Johnny Evers hit for an average of .841 in the season of 1912, which was the highest mark he has ever made

They talk so much about Clyde Milan of the Senators as a base pil- player. President Tener says he is ferer, but they've got to hand it to a professional man, not a laborer and young Fritz Maisel of the Highland as such should not talk strike. But

the stick has evidently stirred up their jobs. the veteran second-sacker to great speed on the bases.

President Tener of the National league has started on his fifty-second year. He does not show his age, but records show he was born in County Tryone, Ireland, July 25, 1863.

Indications are that the Detroit Tigers will train in California in 1915. President Navin of the Tigers has written his agent in Riverside, asking him if it will be possible for the Tigers to secure the new high school stadium as a training ground.

According to a story from Pittsburgh, Jeff Tesreau and Jack Murray are firting with President Gwinner of the Smoky City Federals. This causes the New York Sun to remark: "Not mentioning any names, there are just about a half a dozen so-called champions who could serve McGraw no more nobly than by going over to the independents."

TALK IS GOOD FOR A LAUGH

Theory of Government Ownership, Ad vanced by Professor Wrench, Causes Much Merriment.

Secretary John A. Heydler of the vational league had a good laugh the ther day. It came when he was hown a dispatch stating that Prof. esse E. Wrench, teacher of history at the University of Missouri, predict ed that the government would own all the baseball leagues in the United States in the next twenty-five years.

"That's all a dream," said Mr. Heydler, when he recovered his voice. "Be fore we talk about government owner ship of our baseball and other sports



see what success the government has with ownership of railroads and a few other things. I understand the weather down in Missouri has been frightfully hot the last week or so, and besides the silly season is now at its height, so we are liable to hear all kinds of foolish talk these days."

Status of Ball Player.

There seems to be some difference of opinion as to the status of a ball is the larger outer globe. Thus a very down in Georgia they invoke the contract labor law and threaten to throw Bill Sweeney is getting back his a Federal scout in jail for trying to old batting eye, and his success with entice laborers (ball players) from

Want to See Stare.

The western towns are scrambling to get a chance to see the all-star teams that will make the trip to the coast next fall under the leadership of Frank Bancroft and Connie Mack. Denver and Greeley in Colorado are the only two stops in the state, but bids are in for several other Colorado

Disastrous Base on Balla. base on balls forced Pittsburgh into last place in the National league. It came in the ninth inning of the game with Boston on July 20, was given by Pitcher Cooper, and forced home the only run of the game, the bases being full of Braves at the time.

Hoblits and Konetchy were the two prize first sackers in the National eague, but now they are being shirted around like the cheapest kind of

SEE BY WIRE WHILE TALKING

Televista, Londoner's Recent Invention, Described in Consular Report -Machine Is Costly.

Seemingly it will not be long before persons conversing over telephonet can see the persons to whom they are talking, if an invention just reported to the state department by Deputy Consul General Carl R. Loop from London, England, comes into popular favor. Mr. Loop reports such an inven-LAMP POSTS MADE OF WIRE tion for transmitting light by wire as follows:

"Dr. Archibald M. Low, a London consulting engineer, claims to have discovered a method by which light may be transmitted by wire. The invention is thus described: The conform for lamp posts, telegraph and trivance consists of a transmitter and telephone posts and supports for bala receiver connected by wire. The ustrade or newel post lamps, a Chitransmitter is a screen divided into a large number of small squares cells and ornamental support, which, if bent of silenium, the electrical resistance of which element varies according to the light that touches it.

"Over the screen is passed a synchronously running roller consisting of a number of pieces, which are alternately conductors and insulators. The roller is driven by a motor of 3,000 revolutions per minute, and the resulting variations of light are transmitted along an ordinary conducting wire. The receiver is made up of a series of cells operated by the passage of polarized light through thin slats of steel, and at the receiver the object before the transmitter is reproduced as a flickering image.

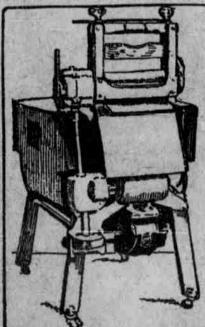
"The process is referred to by the inventor as a kinematographic application of common electrical principles.' The system has been tested through a resistance equivalent to a distance of four miles, but in the opinion of Doctor Low there is no reason why it should not be equally effective over far greater distances.

"The cost of the apparatus is considerable because the conductive sections of the roller are made of platinum and many wires are required for the transmission of the images. The design, being of open wire net work, invention is called the 'televista.' "

SOLUTION OF WASH PROBLEM

Conspicuous Feature of Electric Ma NOVEL ELECTRIC HAND DRIER chine is its Complete Safety-Motor Placed Underneath.

One of the conspicuous features of newly invented electric washing machine is its complete safety. Every moving part is inclosed so that it is impossible to catch the fingers or the clothing. The motor is placed underspreading skin diseases, and where the neath the wringer, which enables the operator to work on three free sides



Electrical Washing Machine. of the machine and get the washer through any doorway without taking

Each washer is equipped with a new patented wringer. If the clothes scome tangled as they pass through the wringer, a lever is thrown over instantly releasing all tension between rollers. The machine is lined throughout with metal, making it sanitary, since there are no crevices to



watch case has been patented in Germany.

An American automatic telephone system has been established in Simia, the summer capital of India.

Wireless messages are sent much more easily at night than in the daytime and in winter than in summer. Electrical machinery is used almost

exclusively in a Philadelphia ice

cream factory that turns out 10,000

quarts a day. According to a German scientist, hallstones are formed by the electricity of the thunder storms which they so-

The first English plant devoted a clusively to making steel by electrical processes is being erected by a Sheffield company.

Paris now has the largest steam turtine electric plant in Europe, a street railway power station producing 120, 000 horse power.

A Connecticut inventor's farm tractor consists mainly of a huge wheel, within which is the motor that fur-New pliers for electricians have nishes the power. knives on both sides of the jaws for cutting insulation, a knife for split-

As an advertising novelty an umbrella has been patented to be placed other for scraping wire, and a slot over electric lights in stores to diffuse their illumination.

It is estimated that close on to The storage battery has been successfully applied to mining locomotwo billion dollars has been spent in building and equipping hydroelectric tives, which heretofore have had to rely upon overhead wires or third

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